Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P204570

Luminaire Tested: **LE_6B15D010 EC6B10209035 6LBSMW1**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P204570
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab:	INNOVATION CENTER-P3
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LE_6B15D010 EC6B10209035 6LBSMW1
Description:	PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
	SHALLOW DISTRIBUTION WITH MATTE WHITE TRIM
	WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W
	DL3-15.28 W DLE-15.432 W
Light Source:	HIGH LUMEN LED
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1781.7 lumens
Efficiency:	N/A
Efficacy:	124.6 lumens/watt
Spacing Criteria (0/90/45):	1.24 / 1.24 / 1.34
Luminous Opening:	Point Source (0' x 0' x 0')
CIE Type:	Direct

Input Watts (W):	14.3
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

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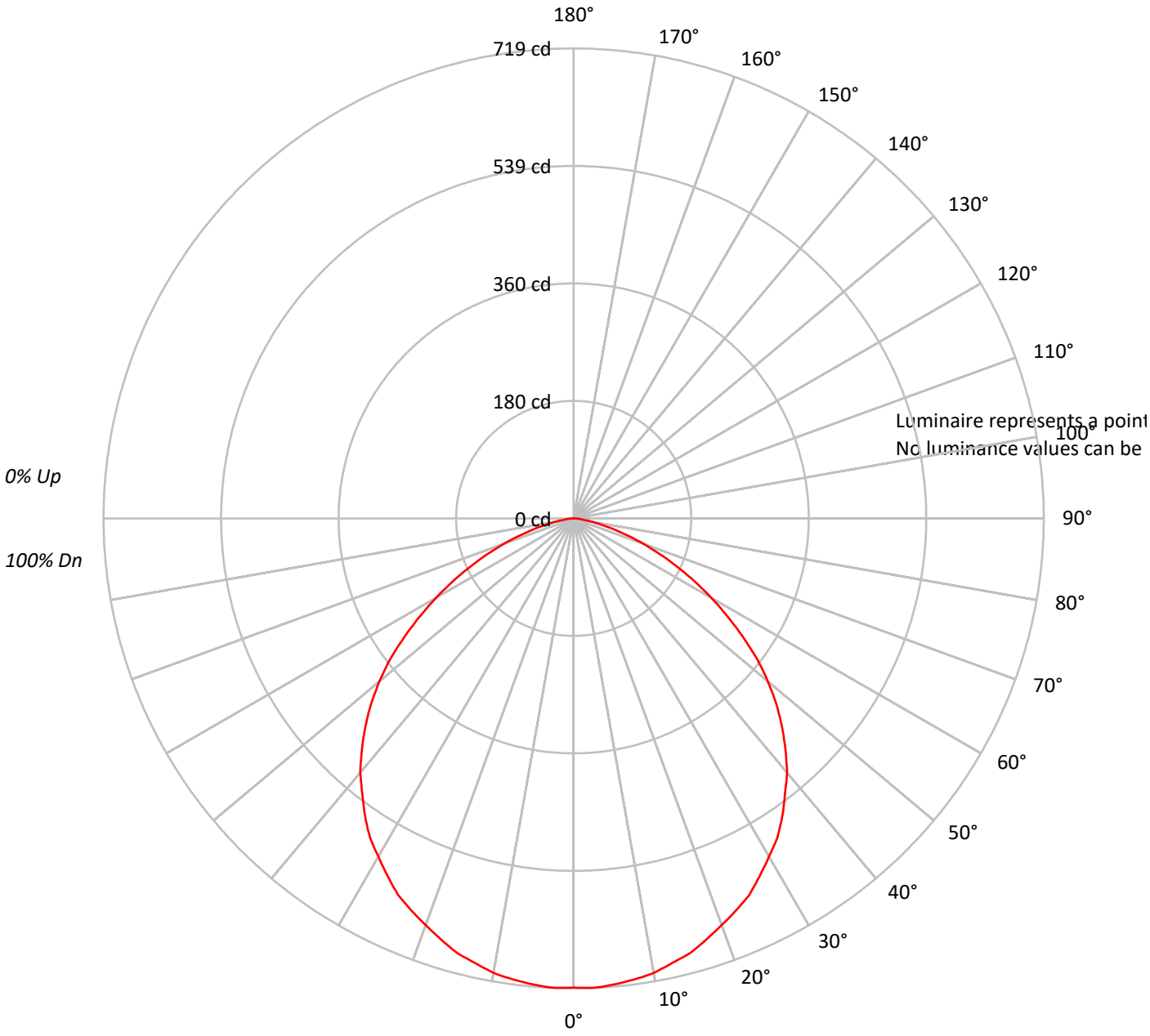
Luminous Intensity Polar Plot



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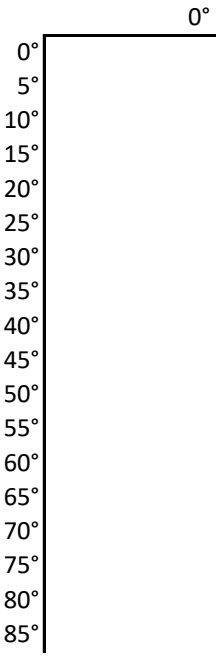
COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47
6	73	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.0	3.8
10°-20°	193.9	10.9
20°-30°	292.0	16.4
30°-40°	347.5	19.5
40°-50°	346.8	19.5
50°-60°	282.1	15.8
60°-70°	173.5	9.7
70°-80°	67.2	3.8
80°-90°	10.8	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	553.9	31.1
0°-40°	901.4	50.6
0°-60°	1530.2	85.9
0°-90°	1781.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1781.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	718	
5°	716	68
15°	688	194
25°	636	292
35°	556	347
45°	451	347
55°	316	282
65°	174	174
75°	61	67
85°	8	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	717.9
2.5°	719.0
5°	715.8
7.5°	711.5
10°	706.2
12.5°	696.8
15°	688.4
17.5°	675.6
20°	661.9
22.5°	649.2
25°	635.5
27.5°	616.5
30°	597.5
32.5°	579.6
35°	556.4
37.5°	531.0
40°	507.8
42.5°	479.2
45°	450.8
47.5°	420.1
50°	387.5
52.5°	353.6
55°	315.6
57.5°	278.8
60°	242.9
62.5°	208.0
65°	174.2
67.5°	142.5
70°	113.0
72.5°	85.5
75°	61.2
77.5°	40.1
80°	24.2
82.5°	14.8
85°	8.5
87.5°	4.2
90°	0.0

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0°-180°

(END OF REPORT)